

Brea McCauley

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Fluent in English and conversational in French

Education

- 2019-Present Doctor of Philosophy (Ph.D.) in Archaeology
Department of Archaeology, Simon Fraser University, BC, Canada
Senior Supervisor: Dr. Mark Collard
Committee Members:
 Dr. Fiona Jordan (Bristol University)
 Dr. Seán Roberts (Cardiff University)
 Dr. Dimitris Xygalatas (University of Connecticut)
Thesis Title: A Cross-Cultural Analysis of Permanent Body
Modification: Types, Proximate Motivations, and Ultimate
Explanations
- 2019 Masters of Arts (M.A.) in Archaeology
Department of Archaeology, Simon Fraser University, BC, Canada
Senior Supervisor: Dr. Mark Collard
Committee Member: Dr. David Maxwell (Simon Fraser University)
Thesis Title: A Multidisciplinary Analysis of Ancient Maya Finger Caches
- 2017 Bachelor of Arts (B.A.) with Honours and Distinction in Archaeology
Department of Archaeology, Simon Fraser University, BC, Canada
Senior Supervisor: Dr. Mark Collard
Thesis Title: A Test of Competing Hypotheses Concerning the Role
of Demography in Cultural Evolution
- 2017 Certificate in Cultural Resource Management
Department of Archaeology, Simon Fraser University, BC, Canada
- 2017 Certificate of Liberal Arts
Faculty of Arts and Social Sciences, Simon Fraser University, BC, Canada

Funding

Current Total Doctoral Funding: \$157,753

- 2023 SFU Travel and Minor Research Award - \$875
2023 SFU Travel and Minor Research Award - \$1521

2022 SFU Graduate Student Fellowship - \$7000

2022 SFU Travel and Minor Research Award - \$781

2021 SFU Travel and Minor Research Award - \$2150

2021 SFU Faculty of Environment Dean's 10th Anniversary Scholarship - \$1600

2021 SFU Graduate Student Fellowship - \$3500

2020 SFU Travel and Minor Research Award - \$1047

2020 SFU Graduate Student Fellowship - \$3500

2019 Social Science and Humanities Research Council of Canada Joseph-Armand Bombardier Canada Graduate Doctoral Scholarship - \$105,000

2019 British Columbia Graduate Scholarship - \$15,000

2019 Social Science and Humanities Research Council of Canada Michael Smith Foreign Supplement - \$6000

2019 Mitacs Globalink International Research Award - \$6000

2019 SFU Dean Graduate Fellowship - \$5000

2019 The Canadian-Scandinavian Foundation Scholarship for Research in Nordic Countries - \$300

Total Masters Funding: \$31,743

2019 SFU Graduate Student Society Professional Development Award - \$499

2019 SFU Travel and Minor Research Award - \$604

2018 SFU Graduate Student Fellowship - \$6500

2018 SFU Jack Nance Memorial Graduate Scholarship in Archaeology - \$4000

2018 SFU Graduate Student Caucus Minor Travel Award - \$100

2018 SFU Travel and Minor Research Award - \$715

2017 Cultural Evolution Society Student Travel Funding - \$1825

2017 Social Science and Humanities Research Council of Canada Joseph-Armand Bombardier Canada Graduate Scholarship - \$17,500

Total Undergraduate Funding: \$15,730

2016 SFU Academic Open Scholarship - \$800

2015 SFU Department of Archaeology Ingrid Nystrom Archaeology Award - \$2000

2015 SFU Academic Open Scholarship - \$1100

2015 SFU Academic Open Scholarship - \$1320

2014 SFU International Mobility Award - \$1000

2014	SFU Academic Open Scholarship - \$1980
2014	SFU Academic Open Scholarship - \$1320
2013	SFU Academic Open Scholarship - \$210
2013	Passport to Education Scholarship - \$1000
2012	BC Academic Excellence Entrance Scholarship - \$5000

Publications

- 2020 **Brea McCauley**, Mark Collard, and Dennis Sandgathe. A cross-cultural survey of on-site fire use by recent hunter-gatherers: Implications for research on Palaeolithic pyrotechnology. *Journal of Palaeolithic Archaeology*, 3, 566-584.
- 2019 W. Chris Carleton, **Brea McCauley**, André Costopoulos, and Mark Collard. An evolutionary agent-based model casts doubt on Dunnell's waste hypothesis for cultural elaboration. *STAR: Science and Technology of Archaeological Research*, 5(1): 1-17.
- 2019 Brea McCauley. "Life expectancy in hunter-gatherers". In: T. Shackelford & V. Weeked-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*. Springer, Cham.
- 2018 **Brea McCauley**, David Maxwell, and Mark Collard. A cross-cultural perspective on Upper Palaeolithic hand images with missing phalanges. *Journal of Palaeolithic Archaeology*, 1(4): 314-333.
- In Press **Brea McCauley** and Mark Collard. "Finger amputation as a cultural practice: Where, when, who, how, and why". In: F. Manni & F. D'Errico (Eds.), *The Oxford Handbook of the Archaeology and Anthropology of Body Modification*. Oxford University Press, Oxford.
- In Press Mark Collard and **Brea McCauley**. "Religious sacrifice in the Ice Age? On ritual finger amputation as a potential explanation for the Gravettian hand images with incomplete fingers". In: S. Hussain and G. Dusselcorp (Eds). *Sitting on the Fence: Negotiating Archaeology, Palaeoanthropology, Anthropology, and Philosophy*.
- In Prep Ian Gilligan, Mark Collard, **Brea McCauley**, Olga Dudojc, and Francesco d'Errico. Frostbite, ritual sacrifice, sign language, or counting?
- In Prep Jeremy Beller, Brea McCauley, Dennis Sandgathe, and Mark Collard. Neanderthal hunting strategies for small, medium, and large game: Insights from recent hunter-gatherers. *Frontiers in Environmental Archaeology*, special issue on Neanderthal complex behaviour through the lens of faunal resources.

In Prep Brea McCauley, Mark Collard, and Felix Riede. Mesolithic “Loose Human Bones”: A Review. [Intended for *Journal of Anthropological Archaeology*]

Presentations

- Accepted **Brea McCauley** and Jayc Sedlmayr. The Ensouled Body: A Cross-Cultural Meta-Analysis of Spiritual Beliefs about Human Bodily Parts and Substances. [Podium] *Society for American Archaeology 89th Annual Meeting*. New Orleans, U.S.A.
- Accepted **Brea McCauley** and Mark Collard. Permanent Body Modification: Archaeological and Early Historical Evidence. [Podium] *Anatomy, Alteration, Art: Historical and Anthropological Perspectives on Permanent Body Modification. Center for Academic Research and Training in Anthropogeny (CARTA) symposium*.
- 2023 **Brea McCauley** and Mark Collard. Finger amputation: A transdisciplinary study. [Podium] *Society for American Anthropology / Canadian Anthropology Society Conference*. Toronto, Canada.
- 2023 **Brea McCauley** and Mark Collard. Finger amputation in the ethno-historic, archaeological, and folktale records. [Podium] *Czech Academy of Science, Institute of Archaeology Seminar Series*.
<https://youtu.be/2xiI9Jeeju0?si=xliLX6Novc8DERYu>
- 2023 **Brea McCauley**, Franz Manni, and Mark Collard. Permanent Body Modification: Examples and Explanations [Session Organizer] *Society for American Archaeology 88th Annual Meeting*. Portland, U.S.A.
- 2023 **Brea McCauley** and Mark Collard. Finger amputation in the ethno-historic, archaeological, and folktale records. [Podium] *Society for American Archaeology 88th Annual Meeting*. Portland, U.S.A.
- 2022 **Brea McCauley**, Fiona Jordan, Sean Roberts, Dimitris Xygalatas, and Mark Collard. Why do people engage in permanent body modification? A multidisciplinary review. [Podium] *4th Cultural Evolution Society Conference*. Aarhus, Denmark. <https://doi.org/10.48448/mfhz-1s38>
- 2021 **Brea McCauley**. Rituals at the Razor’s Edge. A Cross-Cultural Perspective of Permanent Body Modification. [Invited Podium]. *SFU Alumni Services Unafraid of the Dark: SFU Research for All Hallow’s Eve*. Burnaby, British Columbia
- 2020 **Brea McCauley** and Mark Collard. A Global Survey of Incomplete Hand Images in Rock Art [Podium + Session Co-Organizer] *9th Annual World Archaeological Congress*. Prague, Czech Republic. [Accepted but event cancelled due to Covid-19]

- 2020 **Brea McCauley**, David Maxwell, and Mark Collard. Finger Amputation Rituals among the Ancient Maya. [Poster]. *15th Annual Conference of the European Evolution and Human Behaviour Association*. Krakow, Poland. [Accepted but event cancelled due to Covid-19]
- 2019 **Brea McCauley**. Finger Amputation: Perspectives from Archaeology, Anthropology, and the Cognitive Science of Religion. [Podium]. *University of Bristol Excd.Lab Seminar Series*. Bristol, England.
- 2019 **Brea McCauley**. Finger Amputation: Perspectives from Archaeology, Anthropology, and the Cognitive Science of Religion. [Podium]. *Durham University Centre for Cultural Evolution Seminar Series*. Durham, England.
- 2019 **Brea McCauley**, David Maxwell, and Mark Collard. Finger Amputation Rituals among the Ancient Maya. [Podium] *31st Annual Human Behaviour and Evolution Society Conference*. Boston, U.S.A.
- 2019 **Brea McCauley**, David Maxwell, and Mark Collard. Upper Palaeolithic Handprints with Missing Fingers: An Ethnological Perspective. [Podium + Session Chair] *Society for American Archaeology 84th Annual Meeting*. Albuquerque, U.S.A.
- 2018 **Brea McCauley**, David Maxwell, and Mark Collard. Upper Palaeolithic Handprints with Missing Fingers: An Ethnological Perspective. [Podium]. *2nd Annual Cultural Evolution Society Conference*. Tempe, U.S.A.
- 2018 **Brea McCauley**. Finger Amputation: Perspectives from Archaeology, Anthropology, and the Cognitive Science of Religion. [Podium]. *Simon Fraser University Crawford Lab of Evolutionary Studies Seminar Series*. Burnaby, Canada.
- 2018 **Brea McCauley**, W. Chris Carleton, André Costopoulos, and Mark Collard. Waste Not Wanted: Testing Dunnell's Waste Hypothesis with an Agent Based Model. [Podium]. *30th Annual Human Behaviour and Evolution Society Conference*. Amsterdam, Netherlands.
- 2018 **Brea McCauley**, Dennis Sandgathe, and Mark Collard. Assessing Archaeological Assumptions about Fire Use through Ethnographic Survey. [Podium]. *1st Annual SFU Faculty of Environment Graduate Research Day*. Burnaby, Canada.
- 2018 **Brea McCauley**. Ritualized Finger Amputation Globally and among the Classic Maya. [Podium] *3rd Annual Power of Future Minds event, University Women's Club*. Vancouver, Canada.

- 2017 **Brea McCauley** and Mark Collard. A Test of Competing Hypotheses Concerning the Impact of Demography on Cultural Evolution [Podium]. *1st Annual Cultural Evolution Society Conference*. Jena, Germany.
- 2017 **Brea McCauley** and Mark Collard. A Test of Competing Hypotheses Concerning the Impact of Demography on Cultural Evolution [Podium]. *29th Annual Meeting of the Human Behaviour and Evolution Society*. Boise, U.S.A.
- 2017 **Brea McCauley** and Mark Collard. A Test of Competing Hypotheses Concerning the Impact of Demography on Cultural Evolution [Podium]. *Society for American Archaeology 82nd Annual Meeting*. Vancouver, Canada.
- 2017 **Brea McCauley** and Mark Collard. A Test of Competing Hypotheses Concerning the Impact of Demography on Cultural Evolution [Podium]. *5th Annual SFU Faculty of Environment Undergraduate Student Symposium*. Burnaby, Canada.

Teaching Experience

Held Positions:

- 2024 Instructor, Simon Fraser University, ARCH 226 – Shamans, Sacrifice, and Psychedelics.
- 2023 Instructor, Simon Fraser University, ARCH 226 – Shamans, Sacrifice, and Psychedelics.
- 2023 Instructor, Simon Fraser University, ARCH 226 – Shamans, Sacrifice, and Psychedelics.
- 2023 Teaching Assistant, Simon Fraser University, ARCH 226 – Shamans, Sacrifice, and Psychedelics. *Instructor: Dr. David Maxwell*
- 2022 Teaching Assistant, Simon Fraser University, ARCH 101 – Reconstructing the Human Past. *Instructor: Dr. David Maxwell*
- 2022 Grading Assistant, Simon Fraser University, ARCH 301 – Ancient Visual Art. *Instructor: Dr. Laurie Nixon-Darcus*
- 2022 Teaching Assistant, Simon Fraser University, ARCH 226 – Shamans, Sacrifice, and Psychedelics. *Instructor: Dr. David Maxwell*
- 2022 Grading Assistant, Simon Fraser University, ARCH 301 – Ancient Visual Art. *Instructor: Dr. Laurie Nixon-Darcus*
- 2022 Teaching Assistant, Simon Fraser University, ARCH 226 – Shamans, Sacrifice, and Psychedelics. *Instructor: Dr. David Maxwell*

- 2020 Lab Instructor, Simon Fraser University, ARCH 372 – Material Culture Analysis.
Instructor: Dr. Robert Muir
- 2019 Teaching Assistant, Simon Fraser University, ARCH 332 – Ancient Mesoamerica. *Instructor: Dr. David Maxwell*
- 2018 Lab Instructor, Simon Fraser University, ARCH 372 – Material Culture Analysis.
Instructor: Dr. Robert Muir
- 2016 Private Tutor, Simon Fraser University, ARCH 131 – Human Origins
- 2011-2013 Conversational French Teacher, Five Arrows Languages Over Coffee
- 2010-2011 English Tutor, Kumon Tutoring Center, Children Aged 3-11

Lectures and Workshops:

- 2023 Guest Lecture, University of Victoria, A319 – Research Methods in Archaeological and Biological Anthropology. Instructor: Dr. Jeremy Beller – *Introduction to eHRAF and Cross-Cultural Research*
- 2023 Guest Lecture, University of Victoria, A319 – Research Methods in Archaeological and Biological Anthropology. Instructor: Dr. Jeremy Beller – *Introduction to eHRAF*
- 2022 Guest Lecture, University of Calgary, ARKY 555 – Human Osteology. Instructor: Dr. Marina Elliott – *The Physical Indicators of Deliberate Body Modification*
- 2022 Guest Lecture, Simon Fraser University, ARCH 131 – Human Origins. Instructor: Dr. Mark Collard – *Why Modify? A Cross-Cultural Perspective on Permanent Body Modification*
- 2019 Elementary School Workshop, Clayton Elementary School, Surrey BC, *Introduction to Lithic Technologies and Flint Knapping*
- 2018 Guest Lecture, Simon Fraser University, ARCH 372 – Material Culture Analysis. Instructor: Dr. Robert Muir – *Using Ethnographic Analogy to Investigate Rock Art*
- 2018 Guest Lecture, Simon Fraser University, ARCH 131 – Human Origins. Instructor: Dr. Dennis Sandgathe – *Introduction to Primates*

Research Positions

- 2024 Research Assistant, Simon Fraser University, The Meanings of Finger Amputation Customs. Dr. Mark Collard.

- 2022 Research Assistant, Simon Fraser University, Assessing the Completeness of Neanderthal Skeletons. Dr. Mark Collard.
- 2022 Research Assistant, Simon Fraser University, Material Aspects of Corpse Treatment and Deposition in Small-Scale Societies: A Cross-Cultural Analysis, Dr. Mark Collard.
- 2020 Visiting Researcher, Aarhus University, Denmark, A Survey of European Mesolithic “Loose Human Bones,” Dr. Felix Riede.
- 2019 Visiting Researcher, Durham University, England, Testing Alternate Hypotheses for the Cross-Cultural Variation in Austronesian Tattooing, Dr. Jamie Tehrani.
- 2018-2019 Research Assistant, Simon Fraser University, Assessing Historic Farmer’s Toolkit Richness, Dr. Mark Collard.
- 2017-2019 Research Assistant, Simon Fraser University, Features and Functions of Fire in the Ethnographic Record, Dr. Mark Collard and Dr. Dennis Sandgathe.
- 2017-2018 Research Assistant, Simon Fraser University, Agent-Based Modelling Testing Evolutionary Hypothesis of Monumentality, Dr. Mark Collard.
- 2014-2018 Lab Manager and Research Assistant, Simon Fraser University, South Pacific Archaeology Lab, Dr. David Burley.

Field Experience

- 2018 University of Tübingen Excavation at Langmadhalde Rock Shelter, Germany, Dr. Nicholas Conard and Dr. Mohsen Zeidi.
- 2016 University of Tübingen Excavation at Langmadhalde Rock Shelter, Germany, Dr. Nicholas Conard and Dr. Mohsen Zeidi.
- 2015 University of Pennsylvania Final Lab Season at La Ferrassie, France, Dr. Harold Dibble, Dr. Shannon McPherron, Dr. Paul Goldberg, and Dr. Dennis Sandgathe.
- 2014 Simon Fraser University Field School at Nukuleka Hupoate, Kingdom of Tonga, and Sigatoka Sand Dunes, Fiji, Dr. David Burley.

Academic and Community Service

- 2018-2019 Organizing Committee, SFU Spring 2019 Archaeology Seminar Series
- 2018 Organizer, SFU Archaeology Public Symposium: People on the Land
- 2018 Organizing Committee, SFU Faculty of Environment Graduate Research Day

- 2018 Organizer, SFU AGSC Professional Development Seminar Series, Science Communication
- 2017-2019 Graduate Executive Committee Representative, SFU Archaeology Graduate Student Caucus
- 2017 Organizer, SFU First Annual Palaeo-Olympics
- 2016 Volunteer, Human Behaviour and Evolution Society 28th Annual Conference
- 2015-2017 President, SFU Archaeology Undergraduate Student Society
- 2015-2017 Writer and Editor, The Debitage: Archaeology Student Society Newsletters
- 2015 Secretary, SFU Underwater Archaeology Club
- 2014-2015 Vice-President, SFU Archaeology Undergraduate Student Society

Awards

- 2022 Honouree, Faculty of Environment Excellence in Graduate Research and Engagement Event
- 2019 2nd place, SFU Faculty of Environment and Applied Sciences 3 Minute Thesis Competition - \$150
- 2018 1st place, SFU Department of Archaeology Archaeological Research Photo Contest - \$200
- 2018 2nd place, SFU Faculty of Environment Graduate Research Day Presentation Showcase - \$150
- 2018 2nd place, SFU Final 3 Minute Thesis Competition - \$500
- 2018 1st place, SFU Faculty of Environment 3 Minute Thesis Competition - \$300
- 2017 SFU Ann Sullivan Memorial Book Award for service to the Department of Archaeology

Media Appearances

Interviews:

- 2023 Son las manos ‘mutiladas’ de la cueva de Gargas la primera lengua de signos? *El Diario*. September 22nd.
- 2021 Cave paintings may depict Ice Age sign language. *Inside Science*. June 18th.

- 2018 Des archéologues étudient de mystérieux doigts manquants dans des œuvres préhistoriques. *Radio-Canada*. December 5th.
- 2018 Cave art of disfigured hands proves Paleolithic people cut off their fingers as sacrifice, study suggests. *The Province*. December 5th.
- 2018 Cave paintings missing fingers study. *CBC As It Happens*. December 5th.
- 2018 Cave people amputated fingers in religious ritual, study suggests. *Star Metro Vancouver*. December 5th.
- 2018 Cave art of disfigured hands proved Palaeolithic people cut their fingers off as sacrifice, Canadian researchers say. *The National Post*. December 5th.
- 2018 Were Paleo artists also self-mutilators? *Live Science*. December 4th.
- 2018 News Day: Did stone age people amputate their fingers in religious rituals? *BBC World Service Radio*. December 3rd.
- 2017 SFU First Annual Palaeo-Olympics. *Daily Planet, Discovery Network*. April 18th.
- 2017 SFU First Annual Palaeo-Olympics. *CTV News Network*. April 10th.
- 2017 Students, faculty test stone-age skills at SFU Burnaby ‘Palaeo-Olympics’. *BurnabyNOW*. April 10th.
- 2017 Could you survive the Stone Age? Archaeology student shares three tips after hosting SFU’s first Palaeo-Olympics. *SFU News*. April 10th.

Research Features:

- 2024 Prehistoric cave art handprints with missing fingertips point to ritual amputation. *Arkeonews*. January 3rd.
- 2024 Cave art handprints with missing fingertips point to ritual amputation. *Hyperallergic*. January 1st.
- 2023 Finger amputation in prehistoric cave art may have been for religious rituals, new study finds. *ARTNews*. December 28th.
- 2023 Many prehistoric handprints show a finger missing. *Ammon News*. December 27th.
- 2023 Many prehistoric handprints show a finger missing. What if this was not accidental? *The Observer*. December 23rd.
- 2023 Ancient cave art reveals prehistoric rituals of finger amputation, Canadian study suggests. *BNN Breaking*. December 23rd.

- 2023 Our ancient ancestors cut off their fingers to worship prehistoric deities, study finds. *New York Post*. December 23rd.
- 2023 Ancient humans in Europe would chop their fingers off to appease deities: Study. *WION news*. December 24th.
- 2022 Life & death at the height of the ice age. *Stefan Milo – Human Evolution, Prehistory, Archaeology YouTube Channel*. May 10th.
- 2020 Handing it over to Spooktober. *The Dirt Podcast*. October 5th.
- 2018 Canadian researchers say they can explain these imprints of disfigured human hands. *The Brantford Expositor*. December 5th.
- 2018 Cave people amputated fingers in sacrificial ritual, SFU researchers suggest. *The Record*. December 5th.
- 2018 Les hommes préhistoriques se coupaient-ils volontairement les doigts? *Le Figaro*. December 11th.
- 2018 Las pintuars rupestres de manos incompletas se deben a mutilaciones rituales. *El País*. December 11th.
- 2018 Study based on Spanish cave art upends previous theories on hand paintings. *Euro Weekly*. December 9th.
- 2018 Ostry spór o obcinane palce. Dlaczego w paleolicie ludzie kaleczyli sowke dłonie? *Gazeta Wyborcza*. December 8th.
- 2018 Stone age people got really high and cut off their own fingers in rituals. *Mysterious Universe*. December 7th.
- 2018 El misterio de las manos mutiladas an las cuevas de España y Francia. *El Confidencial*. December 6th.
- 2018 Povo do Paleolítico pode ter amputado os próprios dedos em forma de ritual. *Zap*. December 6th.
- 2018 Paleolithic people amputated their fingers in bizarre religious sacrifice. *Ancient Code*. December 6th.
- 2018 Does Upper Palaeolithic cave art with missing fingers really provide evidence for ritual amputation? *Ancient Origins*. December 6th.

- 2018 Cave art of disfigured hands proves Paleolithic people cut their fingers off as sacrifice, Canadian researchers say. *Bullfax*. December 6th.
- 2018 Bí ản bàn tay mất ngón ma quái trên vách hang động. *Việt Báo*. December 5th.
- 2018 A cross-cultural perspective on Upper Palaeolithic hand images with missing phalanges. *News AM*. December 5th.
- 2018 Cut fingers under the psychotropics: Bloody rituals of the ancient people horrified scientists. *The Kotz Post*. December 5th.
- 2018 Les humains du paléolithique avaient-ils pour habitude de se couper les doigts? *Guru Meditation*. December 5th.
- 2018 Ancient humans may have practiced ritual finger amputation. *Popular Mechanics*. December 5th.
- 2018 Древние люди отрубали себе пальцы в ритуальных целях. *Mig News*. December 4th.
- 2018 Les mystérieuses mains de la Préhistoire, signe que nos ancêtres s'automutilaient? *Futura Sciences*. December 4th.
- 2018 La falta de dedos en el arte del Paleolítico podría deberse a un ritual. *La Vanguardia*. December 4th.
- 2018 Señales de amputación ritual de dedos en arte del Paleolítico. *Cienciaplus*. December 4th.
- 2018 Stone age people may have taken drugs and cut off their fingers for religion. *News Week*. December 4th.
- 2018 Stone age cave art suggests intentional finger amputation. *Earth News*. December 4th.
- 2018 Gruesome new theory explains why humans are missing fingers in cave paintings. *Newshub*. December 4th.
- 2018 Peculiar cave art suggests that stone age people deliberately chopped off their own fingers. *IFL Science*. December 4th.
- 2018 Researchers suggest ritual finger amputation may explain missing fingers in Upper Palaeolithic people. *Phys Org*. December 4th.
- 2018 Puzzling cave paintings indicate that Palaeolithic people were amputating their fingers. *Canadian Homesteading*. December 3rd.

- 2018 Why did so many cave men have missing fingers? Palaeolithic people ‘amputated their fingers in religious sacrifice’ and NOT by accident, new study of ancient wall art claims. *Daily Mail*. December 3rd.
- 2018 Strange cave art could mean these Palaeolithic people amputated their own fingers. *Science Alert*. December 3rd.
- 2018 El enigmático rito detrás de las manos incompletas en las cuevas paleolíticas de Europa. *Actualidad*. December 3rd.
- 2018 Stone Age people may have ritually cut off their own fingers. *New Scientist*. November 30th.

Professional Development

- 2021 Summer Institute for Cross-Cultural Anthropological Research, Human Relation Area Files, Dr. Carol Ember (Yale University), Dr. Fiona Jordan (University of Bristol), Dr. Seán Roberts (Cardiff University)
- 2019 Persuasive Writing for the Public, Society for American Archaeology Online Seminar Series, Nicola Jones, MA (Writer for *SAPIENS*)
- 2019 The 3D Printed Past, Society for American Archaeology Online Seminar Series, Dr. Bernard Means (Virginia Commonwealth University)
- 2019 Flying in Llama-land: Aerial Photography Using Drones, Photogrammetry, and 3D Modeling of Archaeological Sites and Features, Society for American Archaeology Online Seminar Series, Dr. Luis Castillo Butters (Pontificia Universidad Católica del Perú)
- 2019 Teaching Curation: A Guide to Developing a New, Stand-Alone Course or Integrating Curation into an Existing One, Society for American Archaeology Online Seminar Series, Dr. Danielle Benden (University of Wisconsin)
- 2019 Public Speaking for Archaeologists: How to Tell a Story, Not Give a History Lesson, Society for American Archaeology Online Seminar Series, Dr. Matthew Piscitelli (SEARCH Inc., Cultural Resource Management Firm)
- 2019 From Zero to NVivo – Qualitative Data Analysis with NVivo, Dr. Jaroslaw Kriukow (University of Edinburgh, Udemy)
- 2018 Interpreting Phytoliths for Environmental and Archaeological Research, Organized by Dr. Francesco Berna (Simon Fraser University) and Dr. Rosa Albert (University of Barcelona)

- 2018 Outreach, Engagement, and Advocacy: The Importance of Reaching the Public through Media, Society for American Archaeology Online Seminar Series, Dr. Kristina Killgrove (University of North Carolina)
- 2018 Artifact Photography, SFU Archaeology Graduate Student Caucus Pro-Seminar Series
- 2018 Introduction to Using GIS for Archaeological Inquiry, SFU Library Research Commons Workshop
- 2018 Introduction to QGIS Software, SFU Library Research Commons Workshop
- 2018 Write Conversations: Write Stronger Paragraphs to Improve Cohesion, SFU Library Research Commons Workshop
- 2018 Write Conversations: Improve Readability with Thoughtful Transitions, SFU Library Research Commons Workshop
- 2018 Reading for Writing: A (De)constructive Exercise in Improving Style, SFU Library Research Commons Workshop
- 2018 Write Conversations: What's Your Research Question, SFU Library Research Commons Workshop
- 2018 Presentation Skills: Writing and Presenting the Academic Poster, SFU Library Research Commons Workshop
- 2018 Presentation Skills for Graduate Students, SFU Library Research Commons Workshop
- 2017 How to Use Social Media to Communicate Your Research to Non-Experts with Dr. David Shiffman, SFU Library Research Commons Workshop
- 2017 Opinion Editorial Writing Workshop with The Tyee Editor-in-Chief Robyn Smith
- 2014 SFU Laboratory Safety Training Workshop

Research Interests

Human cross-cultural variation; cross-cultural analyses; cultural evolution; phylogenetic analyses; permanent body modification; costly rituals; basic human problems

Memberships

Member of the Simon Fraser University Crawford Lab of Evolutionary Studies (CLES)

Member of the Simon Fraser University Human Evolutionary Studies Program (HESP)

Member of the Cultural Evolution Society (CES)

Member of the Human Behaviour and Evolution Society (HBES)

Member of the European Evolution and Human Behaviour Association (EEHBEA)

Member of the Society for American Archaeology (SAA)

References

Dr. Mark Collard

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Dr. Fiona Jordan

Professor at Bristol University | fiona.jordan@bristol.ac.uk

Dr. Seán Roberts

Lecturer at Cardiff University | robertss55@cardiff.ac.uk

Dr. Dimitris Xygalatas

Associate Professor at University of Connecticut | xygalatas@uconn.edu

Dr. Jamie Tehrani

Associate Professor at Durham University | jamie.tehrani@durham.ac.uk

Dr. Dennis Sandgathe

Senior Lecturer at Simon Fraser University | dms@sfu.ca

Dr. Felix Riede

Professor at Aarhus University | f.riede@cas.au.dk

Dr. David Burley

Professor at Simon Fraser University | burley@sfu.ca